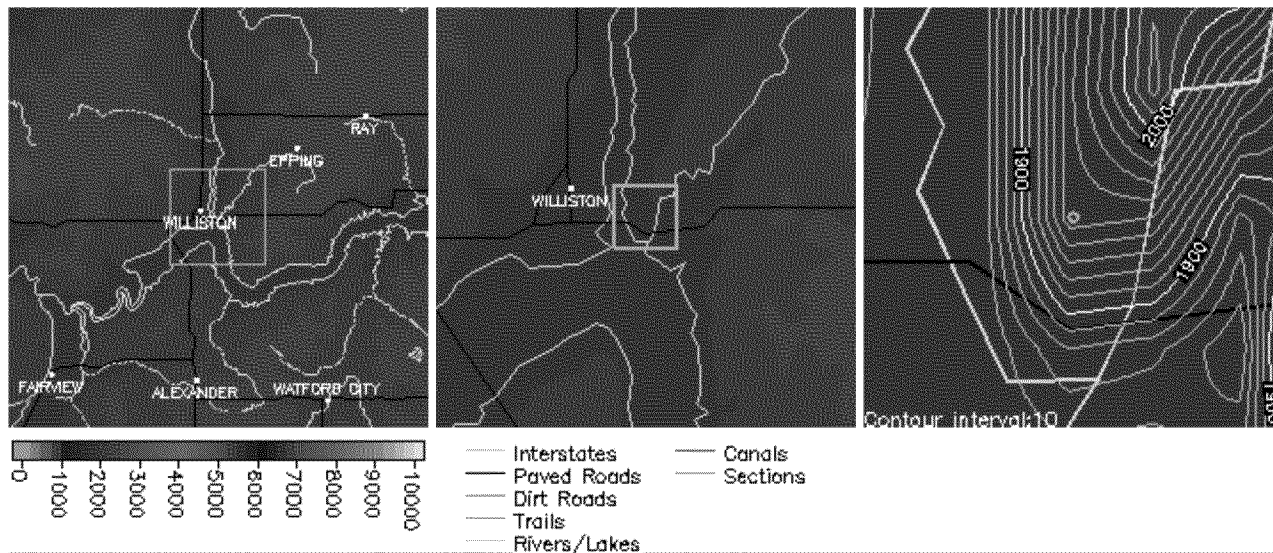


Williston Chem Plant Fire (Proposed ignition time: 0 CDT 7/22/14) (Requested: 253 CDT 7/22/14)

Forecast complete at 318 CDT 7/22/14

Requested by: NDDes Phone:(701) 328-8265 Contact:Sean M Johnson



Location: Legal: Lat/Lon: 48.150155/103.58279 Quad:
 Calculated: (48°9'0"N 103°34'58"W) (WILLISTON EAST ND)

Elevation: 0-5 Drainage: unknown Aspect: unknown Size: unknown

Fuel Type: unknown (Sheltering Unknown)

Observations:

Place Elev Time Wind Temp Wetbulb RH Dewpt Remarks

Requested Parameters

Remarks

XXX Sky / Weather	Req also GENERIC plume modeling
XXX Temperature	for same location. Several types
XXX Relative Humidity	of chemicals are present. PDF and
XXX 20 Foot Wind	Google Earth formats appreciated
XXX Haines Index	
XXX Smoke Dispersion	
XXX LAL	
XXX Chc Wetting Rain	

FORECAST:

IF CONDITIONS BECOME UNREPRESENTATIVE,
 CONTACT THE NATIONAL WEATHER SERVICE.

SPOT FORECAST FOR WILLISTON CHEM PLANT FIRE...NDDes
 NATIONAL WEATHER SERVICE BISMARCK ND
 318 AM CDT TUE JUL 22 2014

FORECAST IS BASED ON INCIDENT TIME OF 0000 CDT ON JULY 22.
 IF CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL
 WEATHER SERVICE IN BISMARCK.

.DISCUSSION...SURFACE HIGH PRESSURE MOVING INTO THE WILLISTON AREA
 FROM
 SASKATCHEWAN WILL RESULT IN LIGHT SURFACE WINDS UNDER 10 MPH THAT
 WILL

BE HIGHLY VARIABLE IN DIRECTION. UNDER THESE CONDITIONS THE MOST
 LIKELY
 WIND DIRECTION AND SPEED WOULD BE FROM THE NORTH / NORTHEAST AT 4 TO
 8 MPH.

WITH THE LIGHT WINDS EARLY THIS MORNING PATCHES OF FOG ARE POSSIBLE.

THIS MORNING...A TEMPERATURE INVERSION AROUND 1000 FEET ABOVE GROUND
 LEVEL SHOULD BREAK AROUND 10 AM CDT ALLOWING FOR BETTER SMOKE
 DISPERSION.

A BRIEF RAIN SHOWER OR THUNDERSHOWER IS POSSIBLE BETWEEN 2 PM CDT
 TUESDAY
 AFTERNOON AND 7 PM CDT TUESDAY EVENING.

.TODAY...

SKY/WEATHER.....PARTLY SUNNY. PATCHY FOG EARLY IN THE MORNING.
 SLIGHT CHANCE OF SHOWERS AND THUNDERSTORMS LATE
 IN THE AFTERNOON.

TEMPERATURE.....MAX 83.

RH.....MIN 42 PERCENT.

WIND.....LIGHT WINDS BECOMING EAST UP TO 6 MPH IN THE
 AFTERNOON.

HAINES INDEX.....5 MODERATE.

SMOKE DISPERSAL.....GOOD.

LAL.....1 INCREASING TO 2 IN THE AFTERNOON.

CWR.....0 PERCENT.

TIME (CDT)	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10A	11A	12P	1PM	2PM	3PM
4PM 5PM 6PM													
SKY (%)	45	35	35	35	35	35	35	35	35	35	35	35	35
WEATHER COV	PTY	PTY	PTY	PTY	PTY	PTY							
SCH	SCH	SCH	SCH	SCH	SCH	SCH							
WEATHER TYPE	FOG	FOG	FOG	FOG	FOG	FOG							
RW	RW	RW	RW	RW	RW	RW							
TEMP	58	58	59	60	60	62	66	69	72	75	78	79	80
RH	96	96	96	93	96	93	84	76	68	60	52	49	47
20 FT WIND DIR	E	NE	N	N	NE	NE	NE	E	E	E	E	E	E
20 FT WIND SPD	3	3	4	4	4	4	4	4	4	4	6	6	7
20 FT WIND GUST	5	5	5	5	5	5	5	5	5	5			
CWR	0	0	0	0	0	0	0	0	0	0	0	0	0
LAL	1	1	1	1	1	1	1	1	1	2	2	2	2
HAINES INDEX	5	5	5	5	5	5	5	5	5	5	5	5	5

.TONIGHT...

SKY/WEATHER.....PARTLY CLOUDY.

TEMPERATURE.....MIN 61.

RH.....MAX 87 PERCENT.

WIND.....EAST WINDS 5 TO 8 MPH.

SMOKE DISPERSAL.....MARGINAL.

LAL.....1.

CWR.....0 PERCENT.

TIME (CDT)	7 PM	9 PM	11 PM	1 AM	3 AM	5 AM
SKY (%)	35	35	47	43	43	43
WEATHER COV.						
WEATHER TYPE	NONE	NONE	NONE	NONE	NONE	NONE
TEMP.	80	75	70	67	65	63
RH.	44	54	66	75	81	84
20 FT WIND	E 9	E 9	E 9	SE 9	SE 9	E 9
20 FT WIND GUST	10	10	10	10	10	10
CWR	0	0	0	0	0	0
LAL	1	1	1	1	1	1
HAINES INDEX	6	6	6	6	6	6

.WEDNESDAY...

SKY/WEATHER.....PARTLY SUNNY.
TEMPERATURE.....MAX 87.
RH.....MIN 41 PERCENT.
WIND.....SOUTHEAST WINDS 6 TO 15 MPH INCREASING TO 13 TO
20 MPH IN THE LATE MORNING AND AFTERNOON.
HAINES INDEX.....5 MODERATE.
SMOKE DISPERSAL.....EXCELLENT.
LAL.....2.
CWR.....14 PERCENT.

Please provide feedback:

Send Feedback

CANCEL

[Printer Friendly Version of Forecast](#)

[Back to Spot List](#) [Copy Info to New Spot Request](#)



National Oceanic and Atmospheric Administration (NOAA)

[Privacy](#)
[Policy](#)

National Weather Service
Fire & Public Weather Services Branch
Page Author: NWS Internet Services Team

Page last updated at 7:57 am CST 3/5/07